Project Study Report – Project Development Support (PSR-PDS) Process and Preparation Procedures – Part Five

California Department of Transportation

January 9, 2012

PSR-PDS Preparation Process

1. Work Programs for PSR-PDS Development
2. Pre-PID Meeting
   Develop Charter and Cooperative Agreement, Framework for Purpose and Need and Concept and Scope, Design Criteria, Identify Deficiencies and Lead Agency
3. Authorization for PID Preparation
4. Obtain and Review Existing Reports, Studies, Mapping or Other Information
5. Form the Project Development Team
6. Develop Consensus on the Project Purpose and Need
7. Review of the Project Site in the Field
8. Identify Additional Data Requirements for Project Scoping
9. Perform the Initial Engineering Analysis and Develop Alternatives
10. Develop Cost Estimates
11. Develop Schedules
12. Risks
13. Quality Management Plan
14. Complete PSR-PDS
15. Caltrans District Review and Approval

Overview

- Perform the Initial Engineering Analysis and Develop Alternatives
  - Stormwater Documentation
  - Right of Way Conceptual Cost Estimate
  - Local and Regional Input
    - Transportation Planning Scoping Information Sheet

Stormwater Documentation

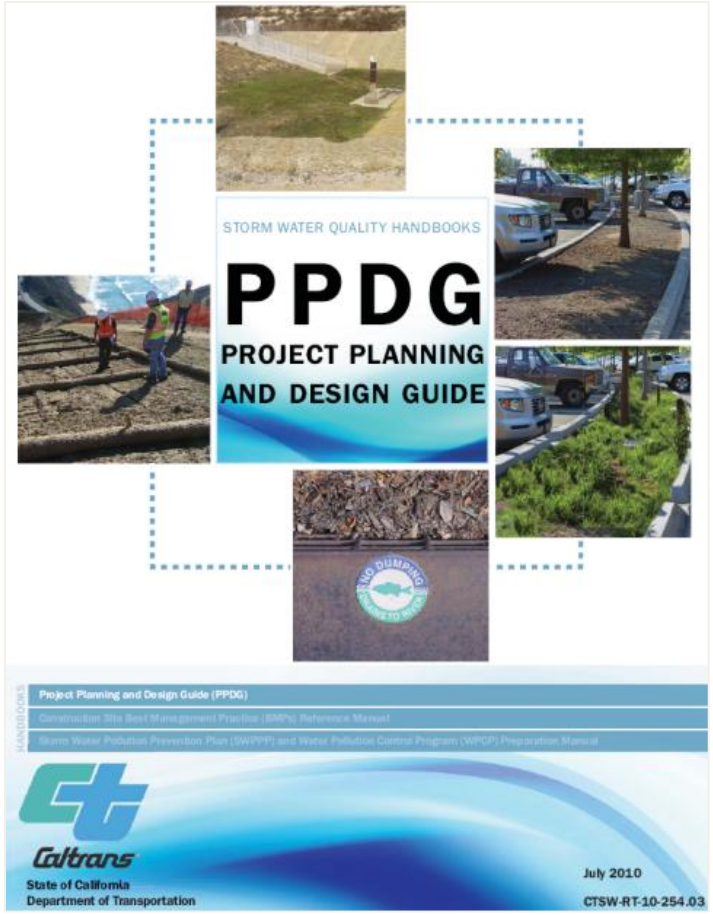
PSR-PDS Guidance Training

Presented By:
Office of Storm Water Management - Design
Timothy B. Sobelman, PE

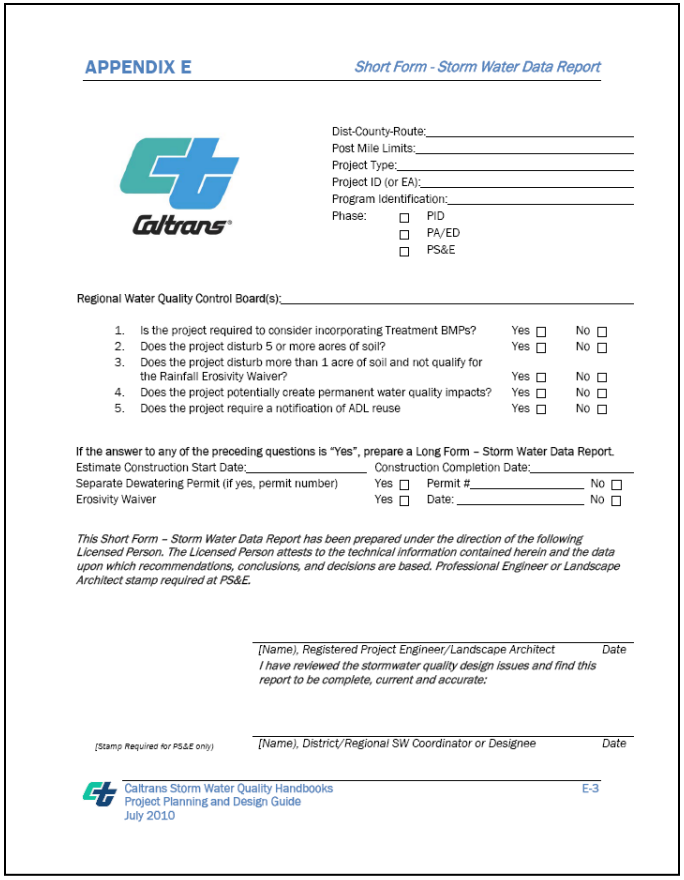
Stormwater Documentation

Project Planning and Design Guide – PPDG

- Used to evaluate Stormwater for Planning and Design
- Storm Water Data Report (SWDR) Templates
- Includes a section on stormwater evaluation at Project Initiation Document (PID) phase



Stormwater Documentation



APPENDIX E *Short Form - Storm Water Data Report*

Caltrans

Dist-County-Route:_____
Post Mile Limits:_____
Project Type:_____
Project ID (or EA):_____
Program Identification:_____
Phase: ☐ PID ☐ PA/ED ☐ PS&E

Regional Water Quality Control Board(s):_____

1.	Is the project required to consider incorporating Treatment BMPs?	Yes ☐	No ☐
2.	Does the project disturb 5 or more acres of soil?	Yes ☐	No ☐
3.	Does the project disturb more than 1 acre of soil and not qualify for the Rainfall Erosivity Waiver?	Yes ☐	No ☐
4.	Does the project potentially create permanent water quality impacts?	Yes ☐	No ☐
5.	Does the project require a notification of ADL reuse	Yes ☐	No ☐

If the answer to any of the preceding questions is "Yes", prepare a Long Form – Storm Water Data Report.
Estimate Construction Start Date:_____ Construction Completion Date:_____
Separate Dewatering Permit (if yes, permit number) Yes ☐ Permit #_____ No ☐
Erosivity Waiver Yes ☐ Date: _____ No ☐

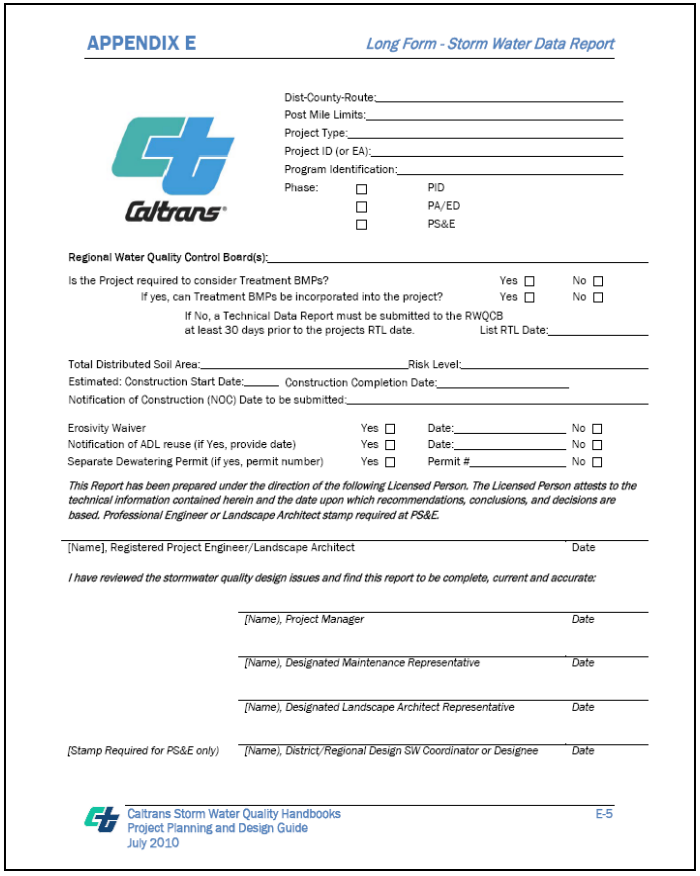
This Short Form – Storm Water Data Report has been prepared under the direction of the following Licensed Person. The Licensed Person attests to the technical information contained herein and the data upon which recommendations, conclusions, and decisions are based. Professional Engineer or Landscape Architect stamp required at PS&E.

[Name], Registered Project Engineer/Landscape Architect *Date*
I have reviewed the stormwater quality design issues and find this report to be complete, current and accurate:

[Stamp Required for PS&E only] *[Name], District/Regional SW Coordinator or Designee* *Date*

Caltrans Storm Water Quality Handbooks
Project Planning and Design Guide
July 2010 E-3

SWDR - Short Form



APPENDIX E *Long Form - Storm Water Data Report*

Caltrans

Dist-County-Route:_____
Post Mile Limits:_____
Project Type:_____
Project ID (or EA):_____
Program Identification:_____
Phase: ☐ PID ☐ PA/ED ☐ PS&E

Regional Water Quality Control Board(s):_____

Is the Project required to consider Treatment BMPs? Yes ☐ No ☐
If yes, can Treatment BMPs be incorporated into the project? Yes ☐ No ☐
If No, a Technical Data Report must be submitted to the RWQCB at least 30 days prior to the projects RTL date. List RTL Date:_____

Total Distributed Soil Area:_____ Risk Level:_____
Estimated: Construction Start Date:_____ Construction Completion Date:_____
Notification of Construction (NOC) Date to be submitted:_____

Erosivity Waiver Yes ☐ Date:_____ No ☐
Notification of ADL reuse (if Yes, provide date) Yes ☐ Date:_____ No ☐
Separate Dewatering Permit (if yes, permit number) Yes ☐ Permit #_____ No ☐

This Report has been prepared under the direction of the following Licensed Person. The Licensed Person attests to the technical information contained herein and the date upon which recommendations, conclusions, and decisions are based. Professional Engineer or Landscape Architect stamp required at PS&E.

[Name], Registered Project Engineer/Landscape Architect Date

I have reviewed the stormwater quality design issues and find this report to be complete, current and accurate:

[Name], Project Manager *Date*
[Name], Designated Maintenance Representative *Date*
[Name], Designated Landscape Architect Representative *Date*
[Stamp Required for PS&E only] *[Name], District/Regional Design SW Coordinator or Designee* *Date*

Caltrans Storm Water Quality Handbooks
Project Planning and Design Guide
July 2010 E-5

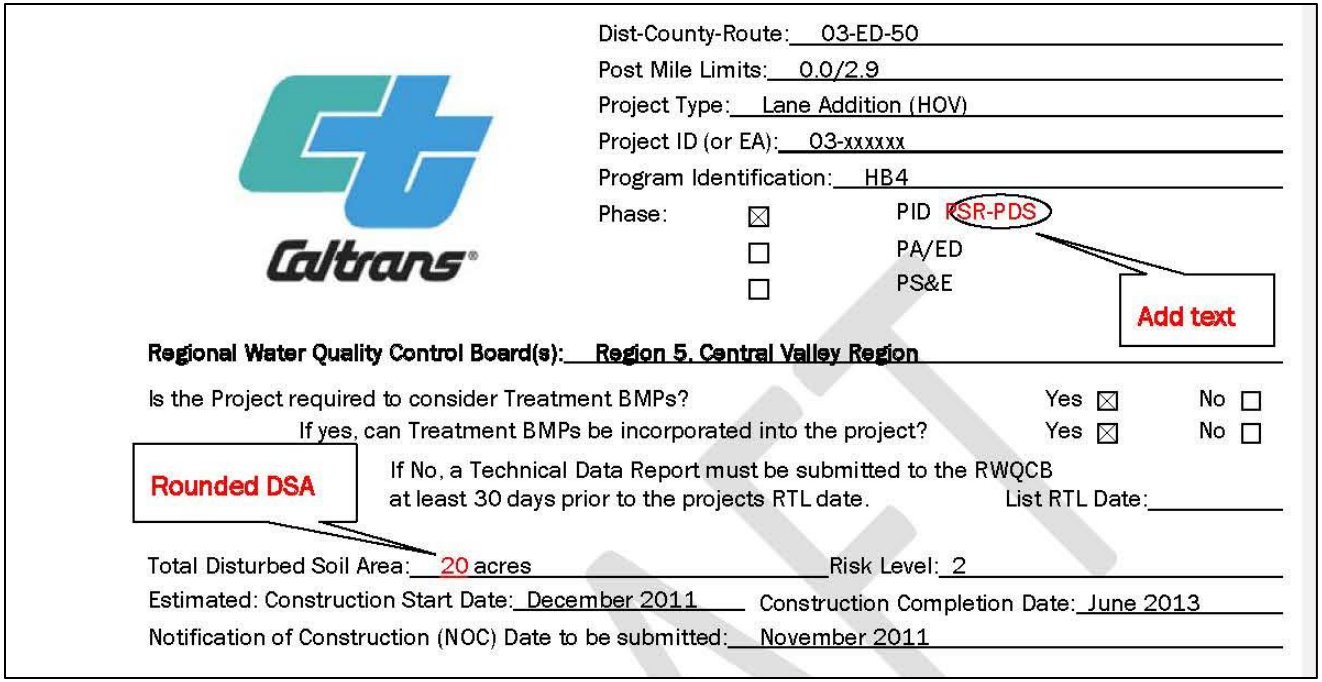
SWDR - Long Form

Stormwater Documentation

- List the Regional Water Quality Control Board(s) that are within the project limits.
- Will a 401 Certification be required?
- Are there any location specific requirements?
- Is there a potential for the project to create permanent water quality impacts?
- Determine the total estimated Disturbed Soil Area (nearest acre) for each project alternative.
- Will the project need coverage under the Construction General Permit (CGP)? If so, what is the estimated project Risk Level? (if required)
- Determine the estimated net new impervious area (nearest acre) for each project alternative.
- Will the project require the incorporation of Treatment BMPs? (complete the Evaluation Documentation Form)
- If treatment BMPs will be required, describe the planned Permanent BMPs and any additional right of way needs.
- Will steep slopes be created or disturbed? If so, describe any advanced erosion control needs.
- Is the project going to require a notification of Aerial Deposited Lead (ADL) reuse?
- What are the estimated costs for both permanent and temporary BMPs?

Stormwater Documentation

Differences in the PSR-PDS SWDR:



Dist-County-Route: 03-ED-50
Post Mile Limits: 0.0/2.9
Project Type: Lane Addition (HOV)
Project ID (or EA): 03-xxxxxx
Program Identification: HB4
Phase: ☒ PID PSR-PDS
☐ PA/ED
☐ PS&E

Add text

Regional Water Quality Control Board(s): Region 5, Central Valley Region

Is the Project required to consider Treatment BMPs? Yes ☒ No ☐
If yes, can Treatment BMPs be incorporated into the project? Yes ☒ No ☐

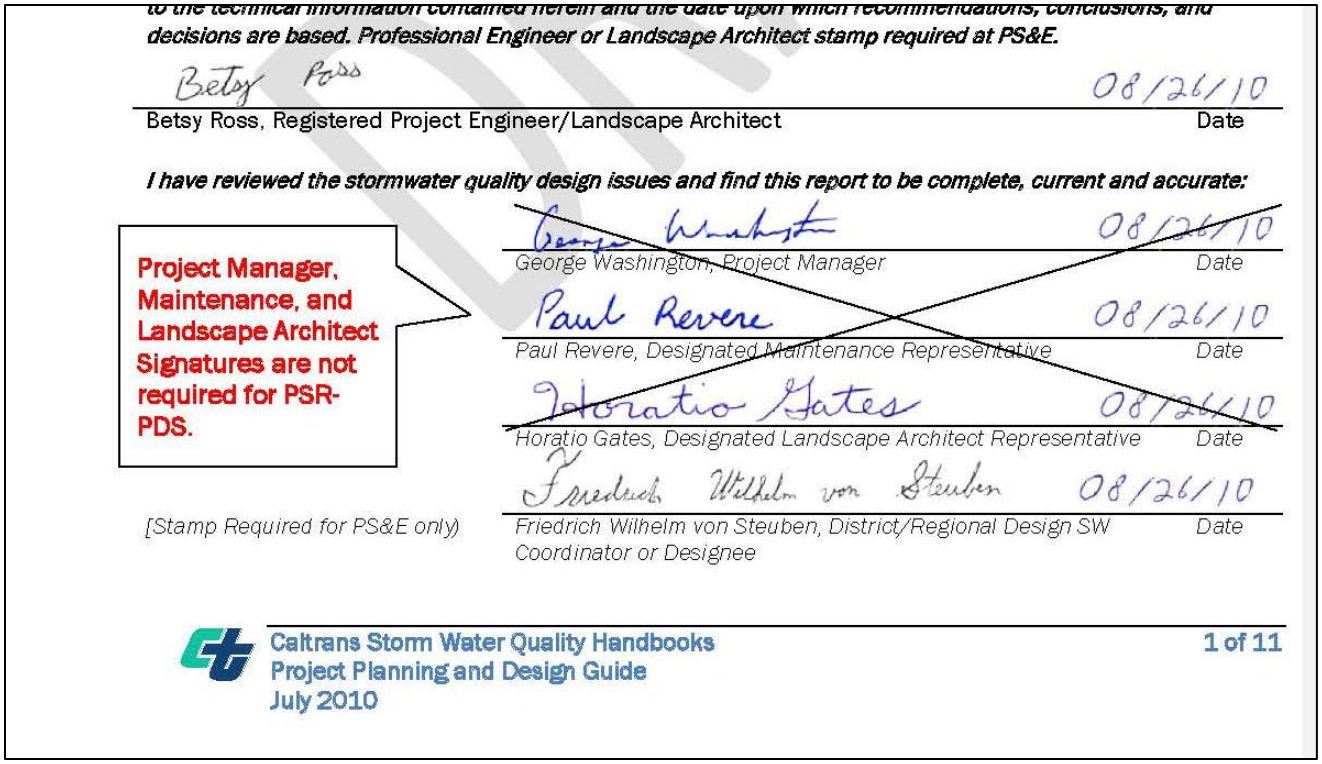
Rounded DSA

If No, a Technical Data Report must be submitted to the RWQCB at least 30 days prior to the projects RTL date. List RTL Date:

Total Disturbed Soil Area: 20 acres Risk Level: 2
Estimated: Construction Start Date: December 2011 Construction Completion Date: June 2013
Notification of Construction (NOC) Date to be submitted: November 2011

Stormwater Documentation

Differences in the PSR-PDS SWDR:



to the technical information contained herein and the date upon which recommendations, conclusions, and decisions are based. Professional Engineer or Landscape Architect stamp required at PS&E.

Betsy Ross — 08/26/10

Betsy Ross, Registered Project Engineer/Landscape Architect — Date

I have reviewed the stormwater quality design issues and find this report to be complete, current and accurate:

George Washington — 08/26/10

George Washington, Project Manager — Date

Paul Revere — 08/26/10

Paul Revere, Designated Maintenance Representative — Date

Horatio Gates — 08/26/10

Horatio Gates, Designated Landscape Architect Representative — Date

Friedrich Wilhelm von Steuben — 08/26/10

[Stamp Required for PS&E only)

Friedrich Wilhelm von Steuben, District/Regional Design SW Coordinator or Designee — Date

Project Manager, Maintenance, and Landscape Architect Signatures are not required for PSR-PDS.

Caltrans Storm Water Quality Handbooks
Project Planning and Design Guide
July 2010

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Stormwater Documentation

Questions:

Will all of the SWDR checklists be required for approval?

How should Stormwater BMPs be estimated?

Stormwater Documentation

Pre-PID Meeting:

It is imperative that the District Stormwater Coordinator is contacted during the Pre-PID meeting.

- Determine if any additional detail will be needed to approve the SWDR.
- Discuss any known pollution control requirements within the project.
- Discuss new NPDES Permit requirements that would affect the project.

Stormwater Documentation

For questions related to Stormwater documentation for a PSR-PDS PID, contact your District Design Stormwater Coordinator

or

Tim Sobelman, Chief – Office of Stormwater Management

Questions

Right of Way Conceptual Cost Estimate

PSR-PDS Guidance Training

Presented By:
Eric Blankenburg, Senior Right of Way Agent
Office of Appraisals and Local Programs
Division of Right of Way and Land Surveys

Right of Way Conceptual Cost Estimate

- Right of Way Data Sheet is Replaced with the Conceptual Cost Estimate

Right of Way Conceptual Cost Estimate

- Conceptual Cost Estimate is a “Ball Park” estimate
- The Conceptual Cost Estimate may not be used for Programming
- The Right Way Data Sheet will be required for the Project Report
- The Conceptual Cost Estimate is triggered by a ‘Request’
- Conceptual Cost Estimate:
  - Identifies Scope
  - Range of Costs
  - Lead Time to Certification

Questions

Transportation Planning Scoping Information Sheet

PSR-PDS Guidance Training

Presented By:
Annette Clark, Senior Transportation Planner, Specialist
Office of Projects/Plan Coordination
Division of Transportation Planning

Transportation Planning Scoping Information Sheet

Local and Regional Input

- Necessary in the development of alternatives
- State, regional, and local planning has a significant effect on the development of alternatives
- Transportation Planning Scoping Information Sheet facilitates an understanding of State, regional, and local planning objectives

Transportation Planning Scoping Information Sheet

- Used by the project development team to verify that the project remains consistent with:
  - Planning level purpose and need
  - Planning concepts (context sensitive solutions, complete streets, highways as main streets…)
  - Statewide goals
  - State, regional, and local transportation plans
  - Local planning decisions
- Transportation Planning Information Sheet Guidance
  - http://www.dot.ca.gov/hq/tpp/offices/oppc/project_scoping.html

Questions

Resources

- Project Development Procedures Manual
  - http://www.dot.ca.gov/hq/oppd/pdpm/pdpmn.htm
- Office of Projects Plan Coordination
  - http://www.dot.ca.gov/hq/tpp/offices/oppc/index.html

PSR-PDS Training Schedule

Session	Chapter	Topic	Nov 2011	Dec 2011	Jan 2012
One	**One**	**Introduction**	10		
Two	**Two**	**PSR-PDS Process and Preparation Procedures** Develop Work Programs, Authorization for PID Preparation, Pre-PID Meeting, Form the PDT, Develop Consensus on the Project Purpose and Need	17		
Three	**Two**	Obtain and Review Existing Reports…, Review of the Project Site in the Field, Identify Additional Data Requirements for Project Scoping Perform the Initial Engineering Analysis and Develop Alternatives - Environmental, Design, Structures		8	
Four	**Two**	Perform the Initial Engineering Analysis and Develop Alternatives - Traffic Engineering Performance Assessment		**15**	
Five	**Two**	Perform the Initial Engineering Analysis and Develop Alternatives -Develop Cost Estimates, Develop Schedules, Risk, Quality Management Plan			**5**
Six	**Two**	Perform the Initial Engineering Analysis and Develop Alternatives – Stormwater, Right of Way, Local and Regional Input			**9**
Seven	**Two**	Complete PSR-PDS, Caltrans District Review and Approval			**12**
	Three	**Outline for PSR-PDS**			
	Four	**PSR-PDS Estimates**			
	Five	**Scoping Tools**			
	Six	**PSR-PDS Templates**			
		Independent Quality Assurance			